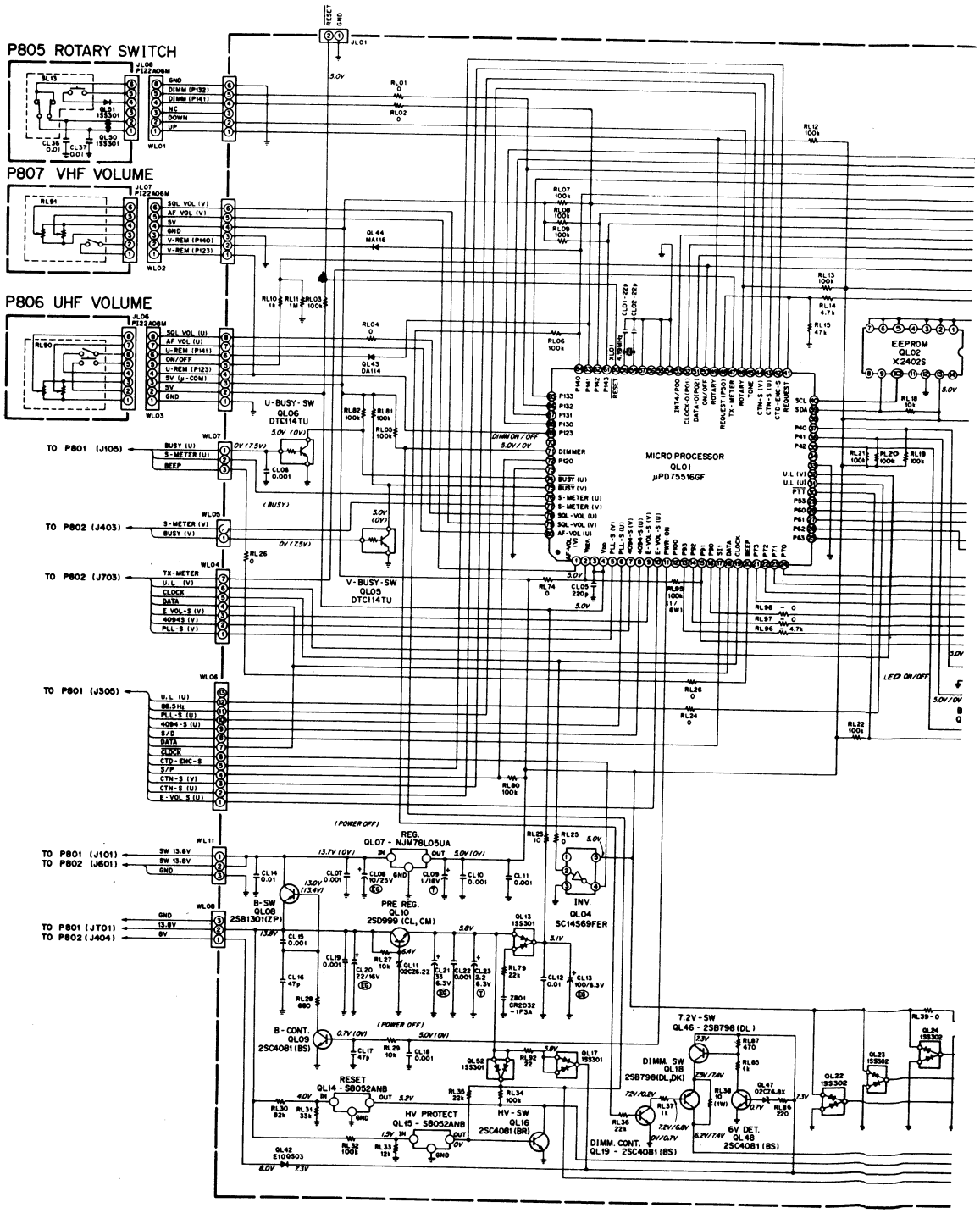
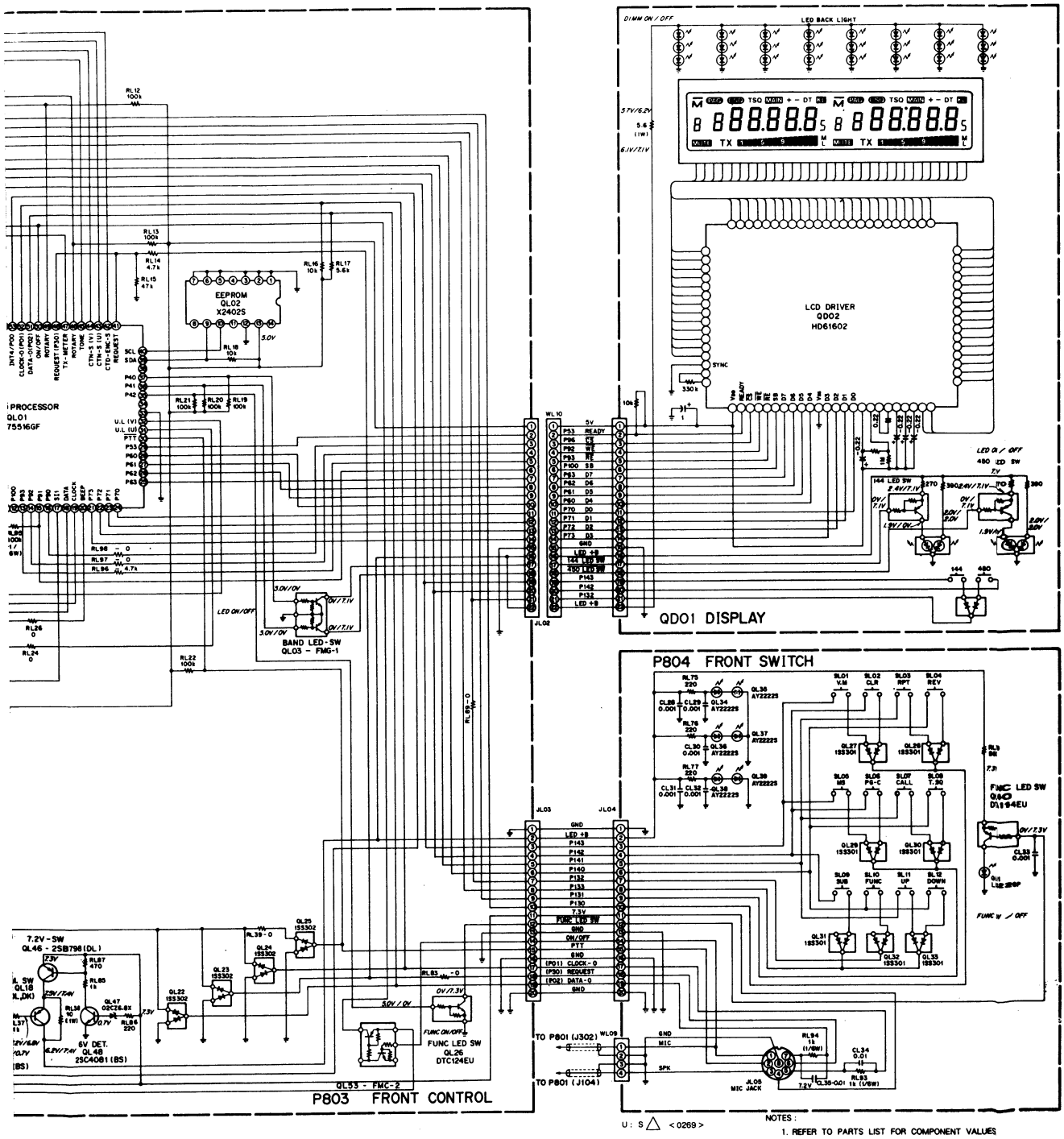
DUAL BAND C5608

MODEL

SERVICE MANUAL


P805 ROTARY SWITCH
P807 VHF VOLUME
P806 UHF VOLUME
MICRO PROCESSOR
QL01
μPD75516GF
EEPROM
QL02
X2402S
U-BUSY-SW
QL06
DTC114TU
V-BUSY-SW
QL05
DTC114TU
REG.
QL07 - NJM78L05UA
PRE REG.
QL10
2SD999 (CL, CM)
B-SW
QL08
2SB1301(ZP)
B-CONT.
QL09
2SC4081(BS)
RESET
QL14 - S8052ANB
HV PROTECT
QL15 - S8052ANB
HV-SW
QL16
2SC4081(BR)
INV.
QL04
SC14S69FER
7.2V-SW
QL46 - 2SB798(DL)
DIMM. SW
QL18
2SB798(DL,DK)
DIMM. CONT.
QL19 - 2SC4081(BS)
6V DET.
QL48
2SC4081(BS)
TO P801 (J105)
TO P802 (J403)
TO P802 (J703)
TO P801 (J305)
TO P801 (J101)
TO P802 (J601)
TO P801 (JT01)
TO P802 (J404)
LED ON/OFF
(POWER OFF)
(BUSY)



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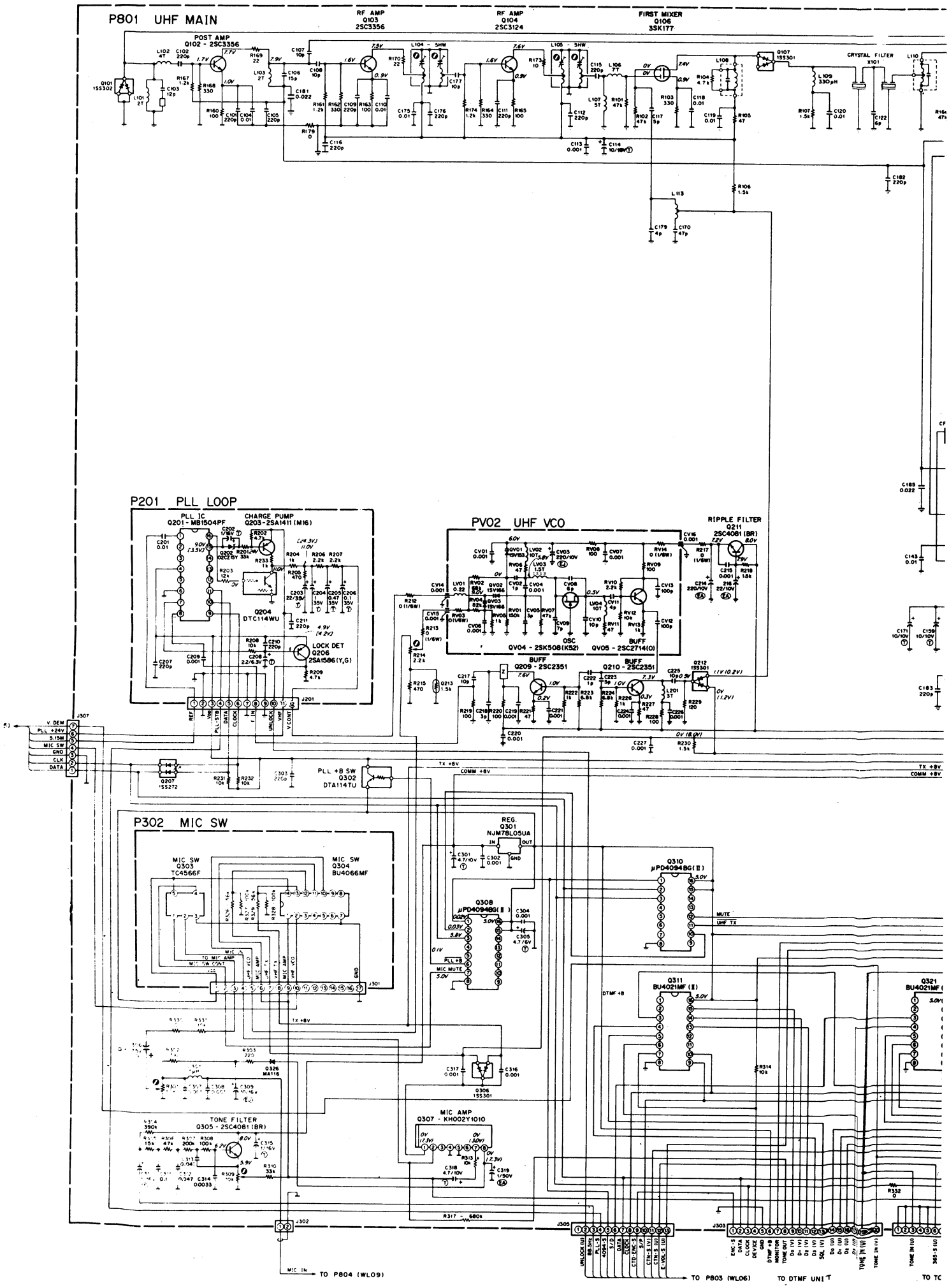
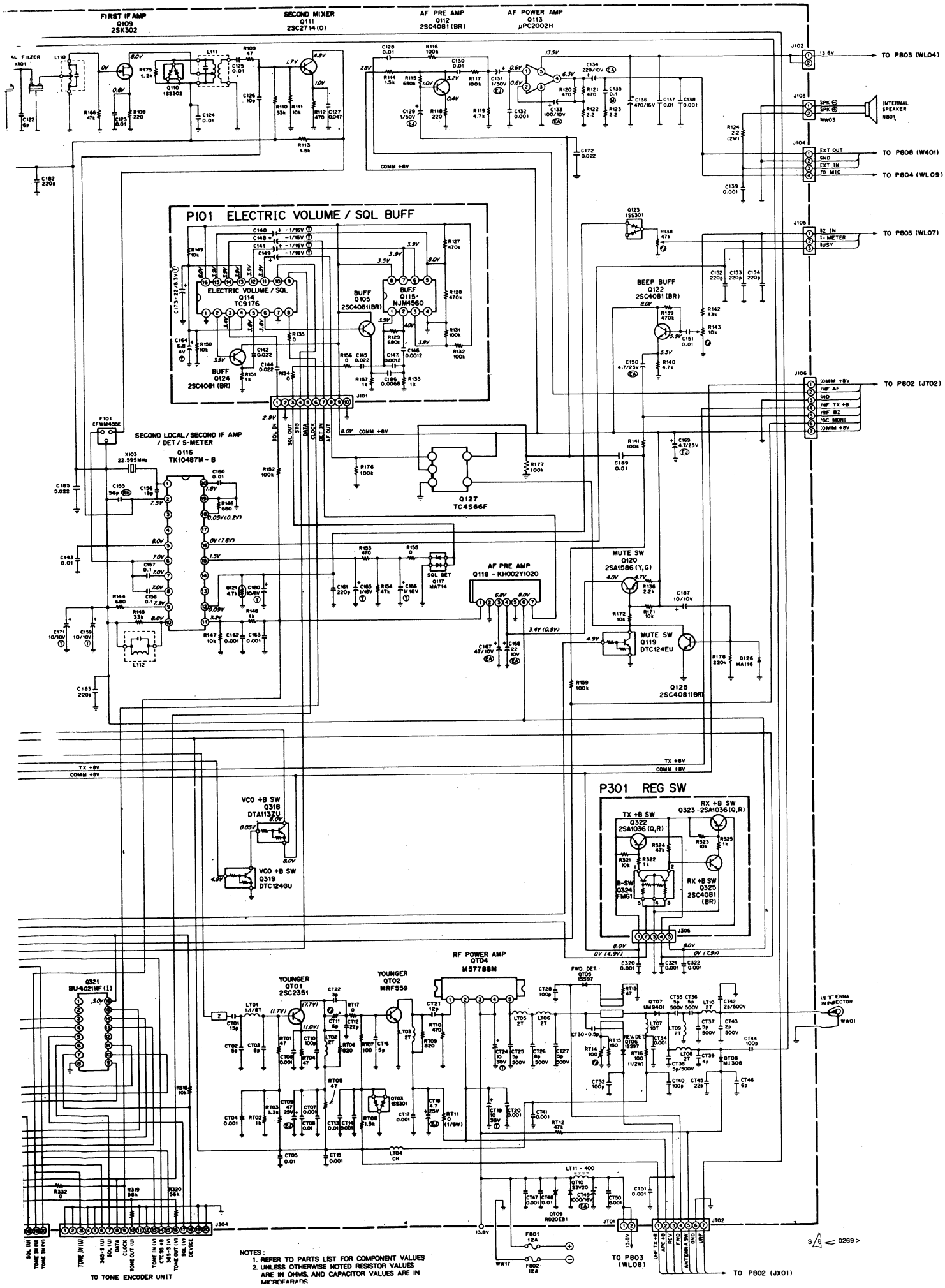
NOTES :

1. REFER TO PARTS LIST FOR COMPONENT VALUES
2. UNLESS OTHERWISE NOTED RESISTOR VALUES ARE IN OHMS, AND CAPACITOR VALUES ARE IN MICROFARADS.

SCHEMATIC DIAGRAM C5608D




FIRST IF AMP
Q109
2SK302
SECOND MIXER
Q111
2SC2714(O)
AF PRE AMP
Q112
2SC4081(BR)
AF POWER AMP
Q113
μPC2002H
P101 ELECTRIC VOLUME / SQL BUFF
ELECTRIC VOLUME / SQL
Q114
TC9176
BUFF
Q105
2SC4081(BR)
BUFF
Q115
NJM4560
BUFF
Q124
2SC4081(BR)
BEEP BUFF
Q122
2SC4081(BR)
SECOND LOCAL / SECOND IF AMP / DET / S-METER
Q116
TK10487M-B
Q127
TC4S66F
AF PRE AMP
Q118 - KH002Y1020
MUTE SW
Q120
2SA1586(Y,G)
MUTE SW
Q119
DTC124EU
Q125
2SC4081(BR)
SQL DET
Q117
MA714
Q126
MA116
P301 REG SW
TX +B SW
Q322
2SA1036(O,R)
RX +B SW
Q323-2SA1036(O,R)
B-SW
Q324
FMG1
RX +B SW
Q325
2SC4081(BR)
VCO +B SW
Q318
DTA114EU
VCO +B SW
Q319
DTC124EU
RF POWER AMP
QT04
M57788M
YOUNGER
QT01
2SC2351
YOUNGER
QT02
MRF559
Q321
BU4021NF(I)
TO P803 (WL04)
TO P808 (W401)
TO P804 (WL09)
TO P803 (WL07)
TO P802 (J702)
TO P803 (WL08)
TO P802 (JX01)
TO TONE ENCODER UNIT
INTERNAL SPEAKER
ANTENNA CONNECTOR
NOTES :
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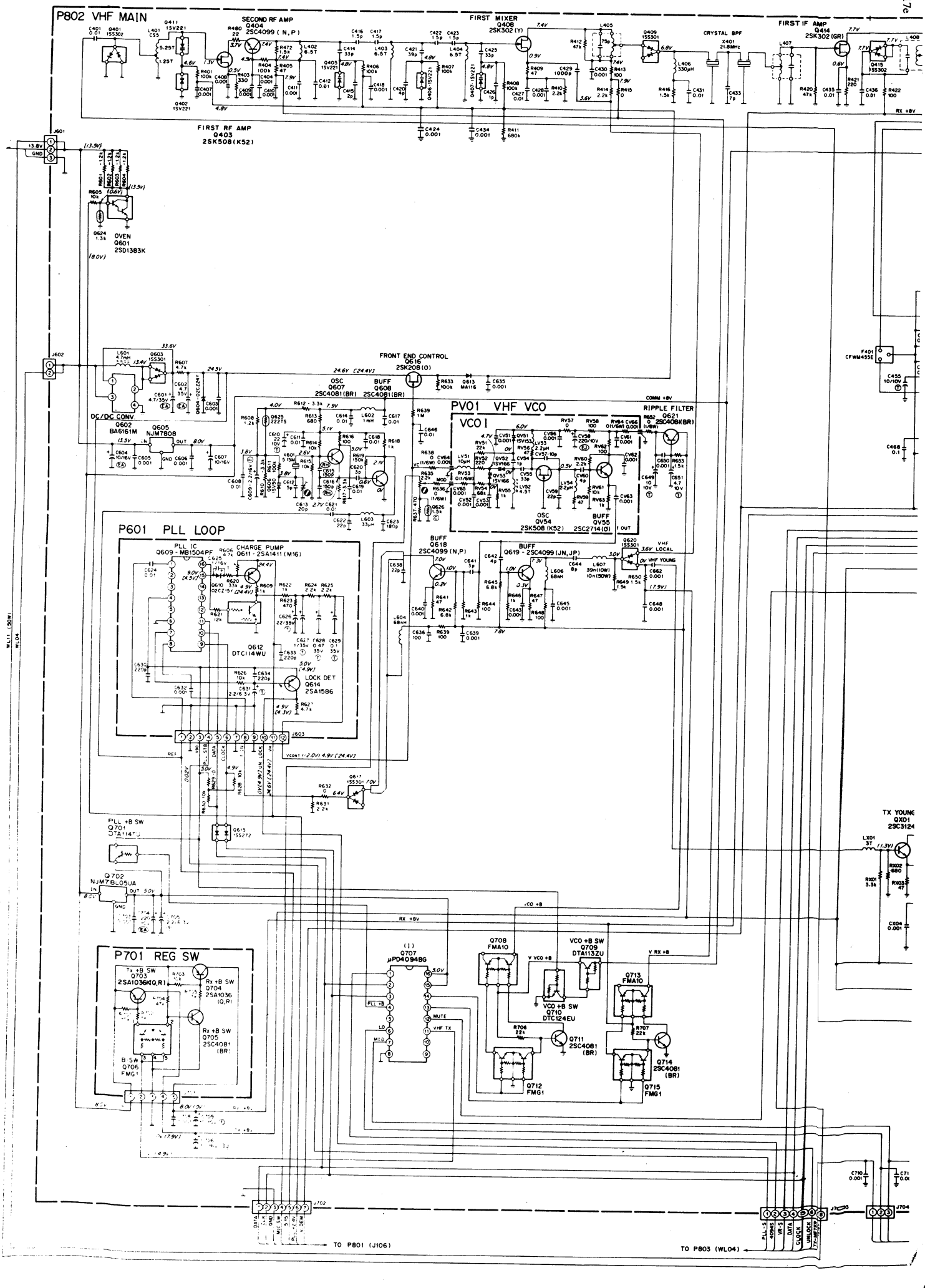
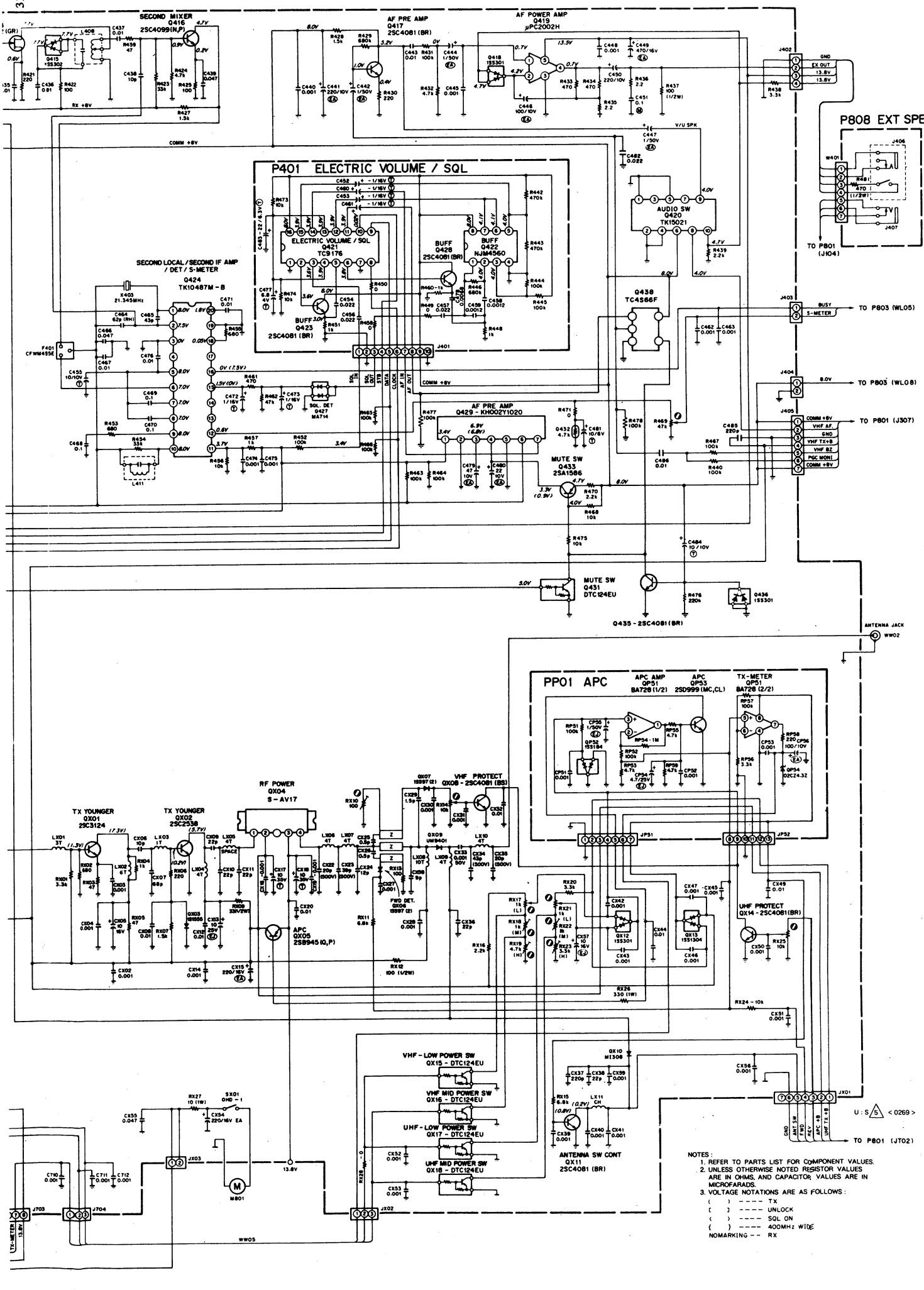
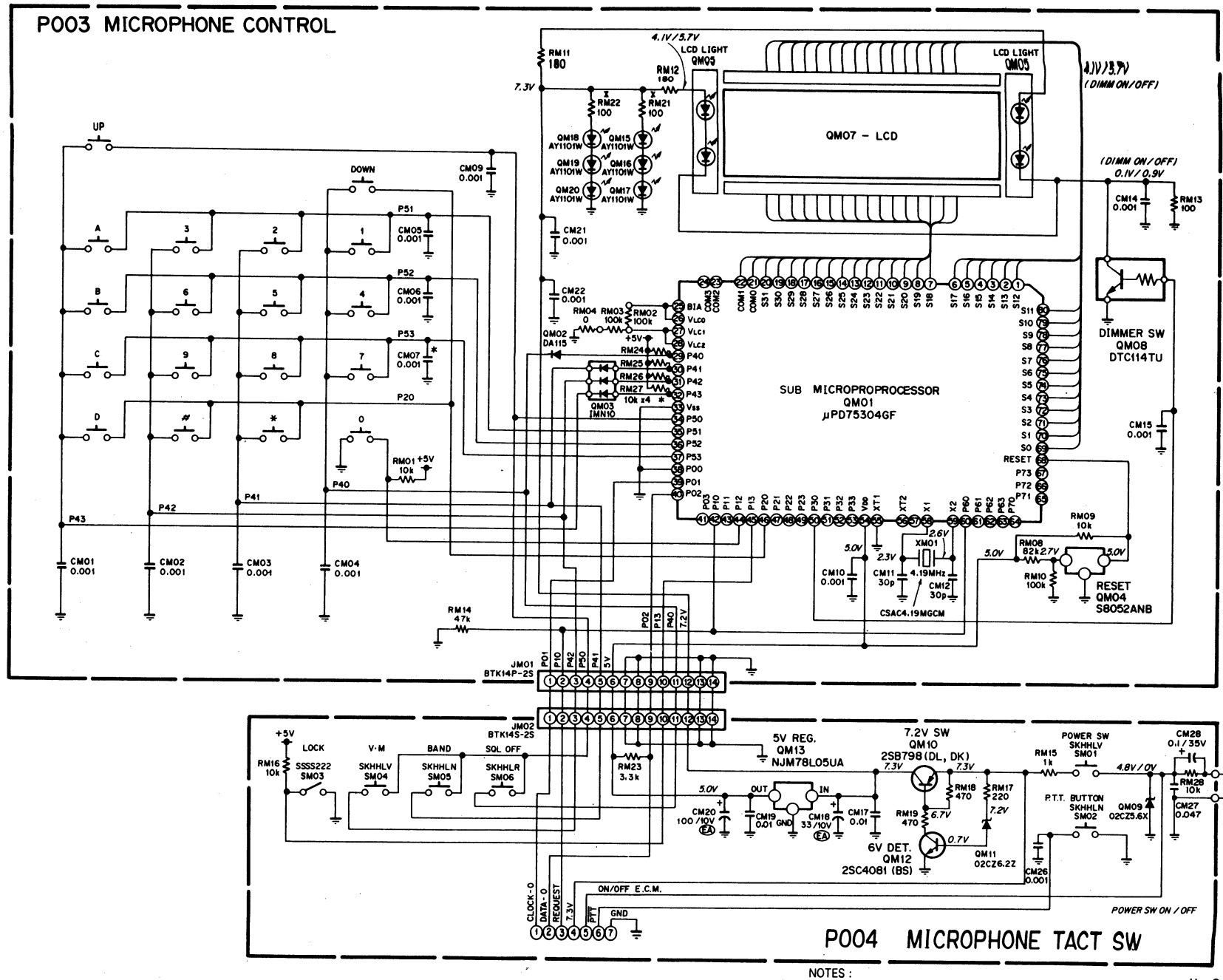

P802 VHF MAIN
SECOND RF AMP
Q404
2SC4099 (N, P)
FIRST MIXER
Q408
2SK302 (Y)
CRYSTAL BPF
FIRST IF AMP
Q414
2SK302 (GR)
FIRST RF AMP
Q403
2SK508(K52)
OVEN
Q601
2SD1383K
DC/DC CONV.
Q602
BA6161M
Q605
NJM7808
FRONT END CONTROL
Q616
2SK208 (O)
OSC
Q607
2SC4081(BR)
BUFF
Q608
2SC4081(BR)
PV01 VHF VCO
VCO I
RIPPLE FILTER
Q621
2SC4081(BR)
OSC
QV54
2SK508 (K52)
BUFF
QV55
2SC2714(O)
P601 PLL LOOP
PLL IC
Q609 - MB1504PF
CHARGE PUMP
Q611 - 2SA1411 (M16)
Q612
DTC114WU
LOCK DET
Q614
2SA1586
BUFF
Q618
2SC4099 (N,P)
BUFF
Q619 - 2SC4099 (JN, JP)
VHF LOCAL
VHF YOUNG
PLL +B SW
Q701
DTA114TU
Q702
NJM78L05UA
P701 REG SW
Tx +B SW
Q703
2SA1036K(Q,R)
Rx +B SW
Q704
2SA1036
(Q,R)
Rx +B SW
Q705
2SC4081
(BR)
B SW
Q706
FMG1
Q707
μPD4094BG
Q708
FMA10
VCO +B SW
Q709
DTA113ZU
VCO +B SW
Q710
DTC124EU
Q711
2SC4081
(BR)
Q712
FMG1
Q713
FMA10
Q714
2SC4081
(BR)
Q715
FMG1
TX YOUNG
QX01
2SC3124
TO P801 (J106)
TO P803 (WL04)


SECOND MIXER
Q416
2SC4099(N,P)
AF PRE AMP
Q417
2SC4081 (BR)
AF POWER AMP
Q419
μPC2002H
P808 EXT SPE
P401 ELECTRIC VOLUME / SQL
ELECTRIC VOLUME / SQL
Q421
TC9176
BUFF
Q426
2SC4081 (BR)
BUFF
Q422
NJM4560
AUDIO SW
Q420
TK15021
SECOND LOCAL / SECOND IF AMP
/ DET / S-METER
Q424
TK10487M-B
BUFF
Q423
2SC4081 (BR)
SQL. DET
Q427
MA714
AF PRE AMP
Q429 - KH002Y1020
MUTE SW
Q433
2SA1586
Q438
TC4S66F
MUTE SW
Q431
DTC124EU
Q435 - 2SC4081 (BR)
TO P801
(J104)
TO P803 (WL05)
TO P803 (WL08)
TO P801 (J307)
TO P801 (JT02)
ANTENNA JACK
PP01 APC
APC AMP
QP51
BAT28 (1/2)
APC
QP53
2SD999 (MC,CL)
TX-METER
QP51
BAT28 (2/2)
RF POWER
QX04
S-AV17
TX YOUNGER
QX01
2SC3124
TX YOUNGER
QX02
2SC2538
VHF PROTECT
QX08 - 2SC4081 (BR)
APC
QX05
2SB945 (Q,P)
UHF PROTECT
QX14 - 2SC4081(BR)
VHF - LOW POWER SW
QX15 - DTC124EU
VHF MID POWER SW
QX16 - DTC124EU
UHF - LOW POWER SW
QX17 - DTC124EU
UHF MID POWER SW
QX18 - DTC124EU
ANTENNA SW CONT
QX11
2SC4081 (BR)
M801
NOTES :
1. REFER TO PARTS LIST FOR COMPONENT VALUES.
2. UNLESS OTHERWISE NOTED RESISTOR VALUES ARE IN OHMS, AND CAPACITOR VALUES ARE IN MICROFARADS.
3. VOLTAGE NOTATIONS ARE AS FOLLOWS :
( ) ----- TX
( ) ----- UNLOCK
( ) ----- SQL ON
( ) ----- 400MHz WIDE
NOMARKING -- RX



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